



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE JOHNS HOPKINS PRESS

BALTIMORE

AMERICAN JOURNAL OF INSANITY.

Board of Editors. Quarterly. 8vo. Volume LXXI in progress. \$5 per volume (foreign postage 50 cents).

AMERICAN JOURNAL OF MATHEMATICS.

FRANK MORLEY, Editor. Quarterly. 4to. Volume XXXVII in progress. \$5 per volume (foreign postage 50 cents).

AMERICAN JOURNAL OF PHILOLOGY.

B. L. GILDERSLEEVE, Editor. Quarterly. 8vo. Volume XXXVI in progress. \$3 per volume (foreign postage 50 cents).

BEITRÄGE ZUR ASSYRIOLOGIE, ETC.

PAUL HAUPT AND FRIEDRICH DELITZSCH, Editors. 8vo. Volume X in progress.

ELLIOTT MONOGRAPHS IN THE ROMANCE LANGUAGES AND LITERATURES.

Edited by EDWARD C. ARMSTRONG. 8vo. \$3 per year.

HESPERIA.

HERMANN COLLITZ and JAMES W. BRIGHT, Editors. 8vo.

JOHNS HOPKINS HOSPITAL BULLETIN.

Monthly. 4to. Volume XXVI in progress. \$2 per year (foreign postage 50 cents).

JOHNS HOPKINS HOSPITAL REPORTS.

8vo. Volume XVII in progress. \$5 per volume (foreign postage 50 cents).

JOHNS HOPKINS UNIVERSITY CIRCULAR, including the President's Report, Annual Register, and Medical Department Catalogue.

T. R. BALL, Editor. Monthly (except August and September). 8vo. \$1 per year.

JOHNS HOPKINS UNIVERSITY STUDIES IN HISTORICAL AND POLITICAL SCIENCE.

8vo. Volume XXXII in progress. \$3 per volume.

MEMOIRS FROM THE BIOLOGICAL LABORATORY.

Five volumes have been issued.

MODERN LANGUAGE NOTES.

Edited by E. C. ARMSTRONG, J. W. BRIGHT, B. J. VOS, and C. C. MARDEN (managing editor). 4to. Volume XXX in progress. \$2 per volume (foreign postage 25 cents).

REPORTS OF MARYLAND GEOLOGICAL SURVEY.

WILLIAM B. CLARK, Editor.

REPRINT OF ECONOMIC TRACTS.

J. H. HOLLANDER, Editor. 8vo. Third series in progress. \$2.00.

TERRESTRIAL MAGNETISM AND ATMOSPHERIC ELECTRICITY.

L. A. BAUER, Editor. Quarterly. 8vo. Volume XX in progress. \$3 per volume (foreign postage 25 cents).

Subscriptions and remittances should be sent to The Johns Hopkins Press, Baltimore, Maryland.

CONTENTS.

	PAGE
Invariantive Theory of Plane Cubic Curves Modulo 2. By L. E. DICKSON,	107
On the Projective Differential Classification of N -Dimensional Spreads Generated by ∞^1 Flats. By ARTHUR RANUM,	117
On the Order of a Restricted System of Equations. By F. F. DECKER, .	159
One-Parameter Families of Curves. By LUTHER PFAHLER EISENHART, .	179
On a Porism Connected with the Theory of Maxwell's Equations and a Method of Obtaining the Lines of Electric Force Due to a Moving Point Charge. By H. BATEMAN,	192
The Abstract Definitions of Groups of Degree 8. By JOSEPHINE ELIZABETH BURNS,	195

The American Journal of Mathematics will appear four times yearly.

The subscription price of the Journal is \$5.00 a volume (foreign postage, 50 cents);
single numbers, \$1.50. A few complete sets of the Journal remain on sale.

It is requested that all editorial communications be addressed to the Editor of
the American Journal of Mathematics, and all business or financial communications to
The Johns Hopkins Press, Baltimore, Md., U. S. A.
